

## **IN THE CLAIMS**

Page 7, line 1, change "Patent Claims" to --What is claimed is:--.

Claims 1-6 (cancelled).

7. (New)      A method for evaluating images recorded with a fundus camera,  
comprising the steps of:

determining deviations from a stored comparison image and/or from a standard image  
created by evaluating a plurality of comparison images, and/or

carrying out a similarity analysis by a stored comparison image and/or by a standard  
image created by evaluating a plurality of comparison images.

8. (New)      The method according to claim 7, wherein the evaluation is carried out  
by averaging extracted features.

9. (New)      The method according to claim 7, wherein deviations are determined  
and/or the similarity analysis is carried out on the basis of a gray-value analysis and/or an  
analysis of color histograms and/or a structure analysis.

10. (New)     The method according to claim 7, wherein an extraction of vascular  
tree parameters is carried out.

11. (New)     An arrangement for the evaluation of images recorded with a fundus  
camera, comprising:

a fundus camera for recording the ocular fundus;

an image storage for storing recorded fundus images; and

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means for evaluating the recorded fundus images further comprising means for gray-value analysis and/or means for preparing color histograms and/or means for structure analysis.  
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12. (New) The arrangement according to claim 11 for carrying out the method of claim 7.

13. (New) An arrangement according to claim 11, wherein means are provided for determining deviations from a stored comparison image and/or from a standard image created by evaluating a plurality of comparison images, and/or means are provided for similarity analysis by a stored comparison image and/or a standard image created by evaluating a plurality of comparison images.